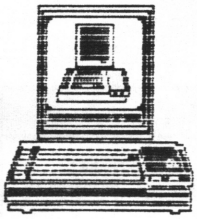


CAPITAL DISTRICT TIMEX/SINCLAIR COMPUTER CLUB

ALBANY, NEW YORK JULY 1990

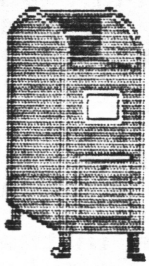
⇨ NEXT MEETING ⇦

THU.	MON.	TUE.
19 JULY 1990	20 AUG. 1990	18 SEPT. 1990

CLUB PRES.
FRED LEWIS
(518)399-5038

TREASURER
RON BARNARD
(518)869 5918

NEWS LETTER
(518)465-7939



MAIL ANY INFORMATION YOU WANT TO BE INCLUDED IN THE NEWS LETTER TO:

JACK BARONE
141 ONTARIO ST.
ALBANY, N.Y.
12206

ANY TYPE INFORMATION, PROGRAMS, HINTS, TECHNICAL INFORMATION OR ANYTHING OF INTEREST THAT YOU WANT TO SEND IN SHOULD BE TYPED. IF YOU SEND IN FREE HAND DRAWINGS I WILL TRY TO REPRODUCE THEM FOR THE NEWS LETTER. ANY COMMENTS ON IMPROVING THE LETTER WILL BE APPRECIATED.

THE INFORMATION IN THIS NEWSLETTER MAY BE REPRODUCED UNLESS OTHERWISE NOTED. FEEL FREE TO WRITE TO US FOR MORE INFORMATION

OUR CLUB MEETINGS ARE HELD AT THE CAPITAL DISTRICT PSYCHIATRIC CENTER ROOM 37. THE CENTER IS AT 75 NEW SCOTLAND AVENUE NEXT DOOR TO THE ALBANY MEDICAL CENTER. ALL USERS OF ANY TIMEX/SINCLAIR COMPUTER EQUIPMENT ARE WELCOME.

OUR NEWSLETTER IS PRINTED ONCE A MONTH AND MAILED TO OUR MEMBERS AND CLUBS. DUES ARE $5.00 A YEAR. CONTACT FRED LEWIS OR JACK BARONE FOR MORE INFORMATION.

CLUB NEWS

The last meeting was well attended and Fred Lewis gave a demonstration. Fred is working on a program which shows the relationship between elements in a cluster. The demonstration shows the changing orbital relationship during motion at different velocities of various elements in the cluster. Fred also had some reproductions of pictures produced by a digitizer he just bought. The pictures were very impressive for a hand held machine. I just received a letter from Paul Holmgren, the Quanta librarian in the U.S., he sent me a listing of the QL Quanta library. The library consists of 48 720k disks with about 28M of programs, games, and various other information. I am not quite sure if you have to be a member of Quanta to order disks or not. I am writing Paul to find out about this. He did mention that membership in Quanta cost about $30.00 dollars a year, this includes airmail postage of Quanta's newsletter from England. If anyone wants any information about this give me a call.

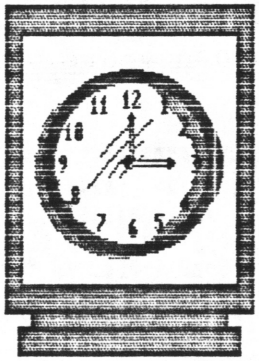
I just received a notice in the mail about a computer fair to be held 15 July 1990 at the Polish Community Center, 225 Washington Ave Ext. in Albany. The admission is $4.50 or $3.50 with a card. We also received the final issue of the Sincus newsletter from Johnson City, N.Y., the club is going to continue to operate but won't publish a newsletter. They are also going to open the club to MS DOS machines. This seems to be the comming thing as the Sinclair clubs slowly die out. We wish them good luck in the future.

The attached handout covers Fred's lecture at the next meeting (July).

IMPORTANT DATES IN JULY	
7 JULY 1898	HAWAII ANNEXED
11 JULY 1767	JOHN QUINCY ADAMS BIRTHDAY
20 JULY 1969	FIRST MOON WALK
21 JULY 1861	BATTLE OF BULL RUN
26 JULY 1775	POSTAL SERVICE BEGINS
28 JULY 1914	FIRST WORLD WAR STARTS

RANDOM NOTES:

I have been busy this month so I did not have a chance to devote too much time to the newsletter, but hopefully next month will be better. The other clubs seemed to be divided on the subject of allowing MS DOS computers (IBM compatibles) in to the clubs. How about some feed back on this subject at the next meeting. Well I am about done for this month.

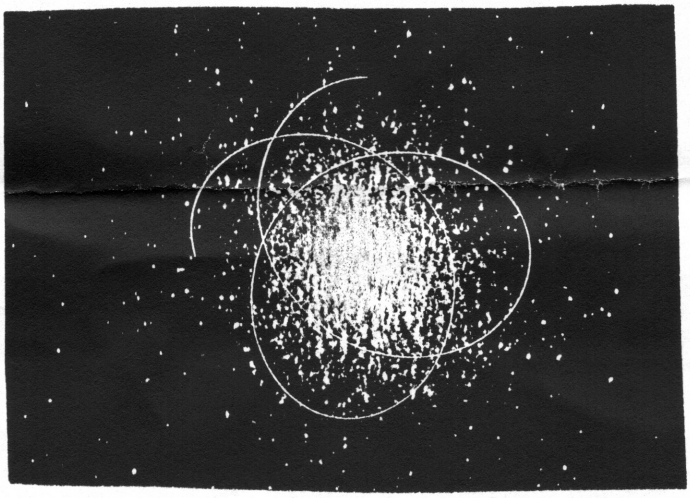


SEE
YOU
ALL
AT
THE
NEXT
MEETING

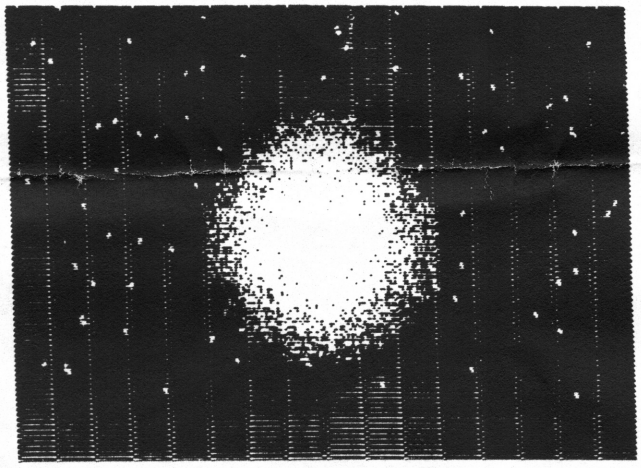
ALBANY TS USERS
July 19,1990
Fred Lewis

GLOBULAR STAR CLUSTER SIMULATION

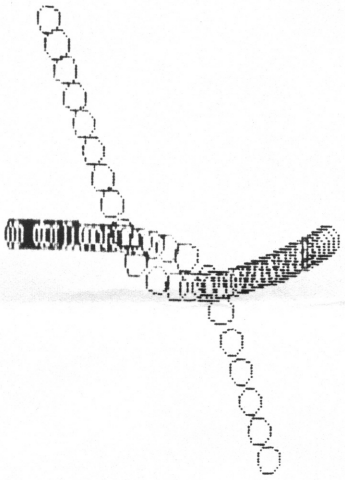
A computer model is being developed to simulate globular star clusters. These fascinating structures consist of up to a million stars in mutually interacting orbits that form spherical clusters that are typically 150 light years in diameter. They are relatively stable, generally billions of years old and lose or gain star members slowly.



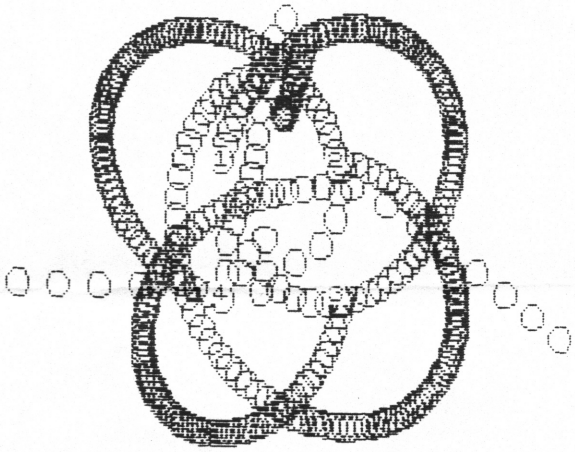
Messier 13 (Hercules) 500,000 stars
Trace line is typical orbit.
Orbit time 1,000,000 years.



TS 2068 simulated cluster
32,400 stars.



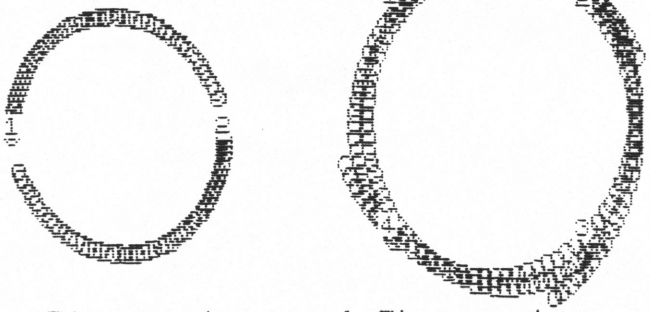
Demo: "Slingshot" acceleration.



Unstable 4-star system.

We have achieved stable binary and moderately stable 4-star systems. No stable systems with 5 or more stars or with non-concentric orbits have been formed.

Additional topic: Basic flaws in digital computers.



Binary stars. 4-Star system.